

REMARKS

Claims 1, 2 and 9 remain in this application. Claims 3, 4, 5, 6, 7, 8 and 10 have been amended by eliminating multiple dependent claims. Attached hereto is a marked-up version of the changes made to the claims by the current amendment. The attached page is captioned "Version With Markings to Show Changes Made".

The support for these amendments is found in the claims as originally filed. These amendments are being entered to bring the claims into conformance with, *inter alia*, 37 CFR §1.75; no new matter is added.

Respectfully submitted,

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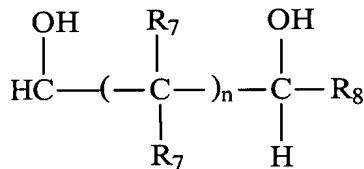
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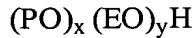
## VERSION WITH MARKINGS TO SHOW CHANGES MADE

In the claims:

1. A liquid dishwashing detergent composition suitable for use in hand dishwashing, said composition characterized by:
  - a) a low molecular weight organic diamine having a pK1 and a pK2, wherein the pK1 and the pK2 of said diamine are both in the range of from 8.0 to 11.5;
  - b) an anionic surfactant;
  - c) an amphoteric surfactant; and
  - d) a solvent selected from the group consisting of a diol, a polymeric glycol and mixtures thereof wherein said diol is selected from the group consisting of:



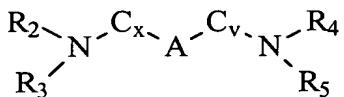
wherein  $n = 0-3$ ,  $\text{R}_7 = \text{H}$ , methyl or ethyl; and  $\text{R}_8 = \text{H}$ , methyl, ethyl, propyl, isopropyl, butyl and isobutyl; and wherein the polymeric glycol is selected from the group consisting of:



wherein PO represents a propylene oxide group and EO represents an ethylene oxide group and  $x+y$  is from 17 to 68, and  $x/(x+y)$  is from 0.25 to 1.0; and

wherein the pH (as measured as 10% aqueous solution) is from 5.0 to 12.5 and wherein the mole ratio of said anionic surfactant to said amphoteric surfactant to said diamine is from 100:40:1 to 9:0.5:1.

2. A liquid dishwashing detergent composition according to claim 1 further characterized by a buffering agent and wherein the composition has a pH of from 10 to 11.5.
3. A liquid dishwashing detergent composition according to Claim 2 [any of claims 1-2] wherein the diol is selected from the group consisting of propylene glycol, 1,2 hexanediol, 2-ethyl-1,3-hexanediol and 2,2,4-trimethyl-1,3-pentanediol and mixtures thereof.
4. A liquid dishwashing detergent composition according to Claim 3 [any of claims 1-3] wherein the polymeric glycol is polypropylene glycol having a molecular weight of from 1000 to 5000.
5. A liquid dishwashing detergent composition according to Claim 4 [any of claims 1-4] wherein said diamine is selected from the group consisting of:

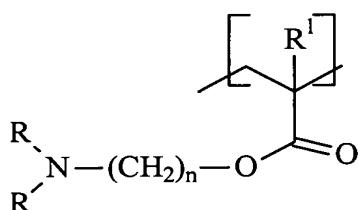


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wherein R<sub>2-5</sub> are independently selected from H, methyl, ethyl, and ethylene oxides; C<sub>x</sub> and C<sub>y</sub> are independently selected from methylene groups or branched alkyl groups where x+y is from 3 to 6; and A is optionally present and is selected from electron donating or withdrawing moieties chosen to adjust the diamine pKa's to the desired range; wherein if A is present, then both x and y must be 2 or greater.

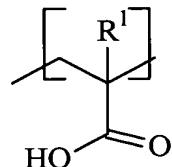
6. A liquid dishwashing detergent composition according to Claim 5 [any of claims 1-5] wherein the polymeric glycol is polypropylene glycol having a molecular weight of from 2000 to 4000 and is present in a range of from 0.25% to 5.0%, by weight of the composition.
7. A liquid dishwashing detergent composition according to Claim 6 [any of claims 1-6] further characterized by a polymeric suds stabilizer selected from the group consisting of:

- i) homopolymers of (N,N-dialkylamino)alkyl acrylate esters having the formula:



wherein each R is independently hydrogen, C<sub>1</sub>-C<sub>8</sub> alkyl, and mixtures thereof, R<sup>1</sup> is hydrogen, C<sub>1</sub>-C<sub>6</sub> alkyl, and mixtures thereof, n is from 2 to 6; and

- ii) copolymers of (i) and



wherein R<sup>1</sup> is hydrogen, C<sub>1</sub>-C<sub>6</sub> alkyl, and mixtures thereof; provided that the ratio of (ii) to (i) is from 2 to 1 to 1 to 2; and wherein said polymeric suds stabilizer has a molecular weight of from 1,000 to 2,000,000 daltons.

8. The liquid dishwashing detergent composition according to Claim 7 [any of claims 1-7] further characterized by an α-amylases having a specific activity at least 25% higher than the specific activity of Termamyl® at a temperature range of 25°C to 55°C and at a pH value in the range of 8 to 10, measured by the Phadebas® α-amylase activity assay.
9. A method for cleaning a substrate in a manual dishwashing operation characterized by the steps of:
  - (a) contacting the substrate with a liquid dishwashing detergent composition prepared according to claim 1; and
  - (b) allowing the detergent composition to remain in contact with the substrate for a sufficient time to provide effective cleaning benefits to the substrate.

10. A method according to Claim 9 [any of claims 1-9], wherein the liquid dishwashing detergent composition is applied to the substrate with no more than 90% dilution with water.